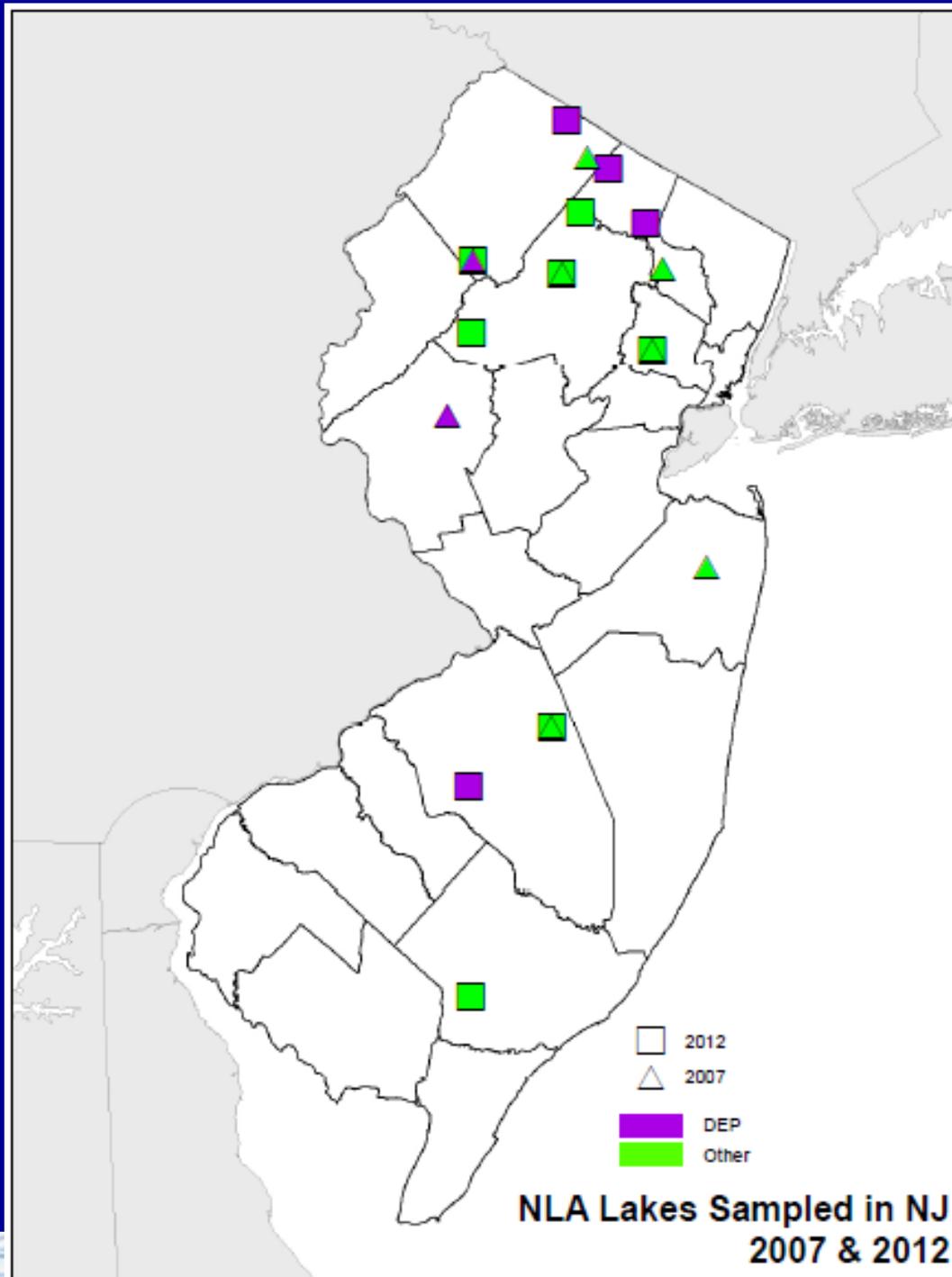


NLA New Jersey Lakes 2012

Vic Poretti
NJWMC Meeting
May 30, 2012



NLA New Jersey Lakes (11 Lakes)

2012 NLA Lakes	Municipality	County	2007 NLA Common Lakes	Sampled by NJDEP 2007	Sampled by NJDEP 2012	Est. Sample Month
Bearfort Waters	West Milford Twp	Passaic			X	June
George Lake	Washington Twp	Morris				
Greenwood Pond	West Milford Twp	Passaic				
Lake Stockwell-19	Medford Twp	Burlington			X	August
Lake Tranquility	Green Twp	Sussex	X	X		
Lake Washington	Wanaque Twp	Passaic			X	August
Maple Lake	Estell Manor City	Atlantic				
Mirror Lake	Pemberton Twp	Burlington	X			
Mount Hope Lake	Rockaway Twp	Morris	X			
Orange Reservoir	West Orange Twp	Essex	X			
Panorama Lake	Vernon Twp	Sussex			X	June



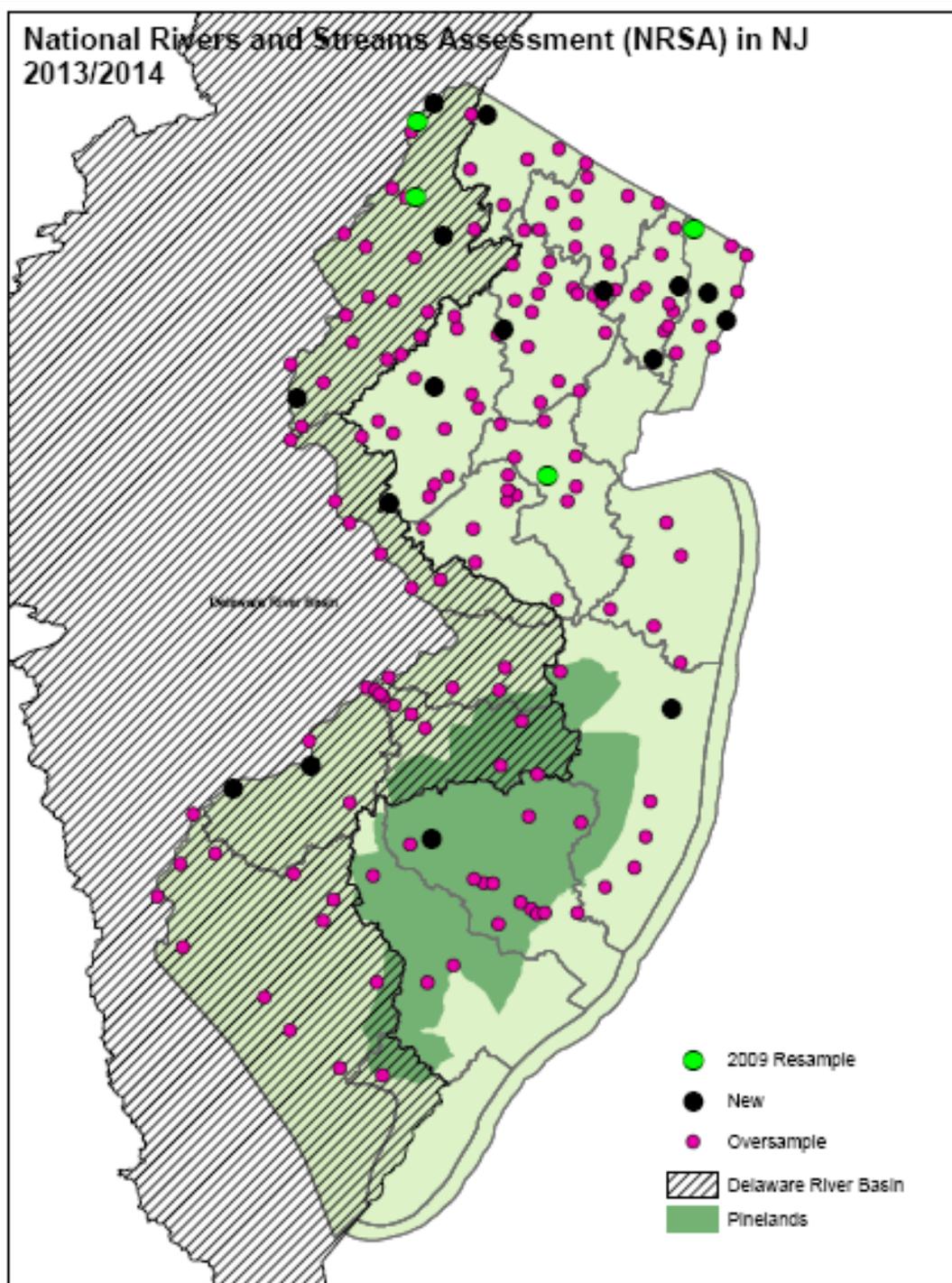
NLA Parameters

Core Indicators	Indicator components	Supplemental Indicators	Indicator components
Vertical profile	DO, temperature, and pH	Dissolved Carbon	Dissolved carbon dioxide, methane and inorganic carbon
Nutrients	Total Phosphorus, Total Nitrogen		
Water chemistry	Alkalinity, conductivity, DOC/TOC, TSS, silica, Chloride, Sulfate, Calcium, Magnesium, Sodium, Potassium, color, turbidity, Ammonium, Nitrate-Nitrite.		
Chlorophyll-a	chl a		
Secchi Disk transparency	visual assessment in the field		
Phytoplankton (cyanobacteria)	id and enumeration		
Zooplankton assemblage	id and enumeration		
Benthic macroinvertebrate assemblage	id and enumeration		
Sediment diatom assemblage	id and enumeration		
Physical habitat	quantitative assessment of cover, structure, disturbance and sedimentation throughout reach		
Macrophyte assemblage	id and enumeration		
Sediment Mercury			
Triazine pesticide screen			
Algal toxins (microcystins)			



NRSA New Jersey Sites 2013-14

National Rivers and Streams Assessment (NRSA) in NJ
2013/2014



NRSA NJ Sites (20 sites) Draft Selection

Stream Name	MUNICIPALITY	COUNTY
Price Branch	WATERFORD TWP	CAMDEN
Delaware River tributary	LOGAN TWP	GLOUCESTER
Big Timber Creek	BROOKLAWN BORO	CAMDEN
Barnegat Bay tributary	TOMS RIVER TWP	OCEAN
Raritan River	NEW BRUNSWICK CITY	MIDDLESEX
Third Neshanic River tributary	DELAWARE TWP	HUNTERDON
Hirshfeld Brook	TEANECK TWP	BERGEN
Saddle River	SADDLE BROOK TWP	BERGEN
Echo Glenn Brook	PARK RIDGE BORO	BERGEN
Pequest River	ANDOVER TWP	SUSSEX
Rockaway Creek tributary	TEWKSBURY TWP	HUNTERDON
Passaic River	KEARNY TOWN	HUDSON
Delaware River	SANDYSTON TWP	SUSSEX
Clove Brook tributary	WANTAGE TWP	SUSSEX
Delaware River	MONTAGUE TWP	SUSSEX
Swartswood Creek tributary	STILLWATER TWP	SUSSEX
India Brook	RANDOLPH TWP	MORRIS
Passaic River tributary	LINCOLN PARK BORO	MORRIS
Delaware River	BRIDGEPORT	SALEM
Hudson River	HACKENSACK	BERGEN



NRSA Parameters

Core Indicators	Indicator components	Optional Indicators	Indicator components	Supplemental Indicators	Indicator components	Potential Indicators	Indicator components
chlorophyll a	chl a	secchi depth	visual assessment in the field	RBP Physical habitat	visual qualitative assessment of cover and structure	triazine pesticide screen	
water chemistry	alkalinity, ANC, Ca, Cl, color, conductivity, DO, DOC, K, Mg, Na, pH, SiO ₂ , SO ₄ , TSS, turbidity Total Phosphorus, Nutrients			Fish Tissue	Fish tissue analysis from sites	algal toxins	microcystins
water profile	conductivity, DO, temperature, and pH			Sediment Enzymes	As per 2008-2009 NRSA		
benthic invertebrates	id and enumeration						
Periphyton	id and enumeration						
Fish Community	in field ID and lab verification						
Physical habitat	quantitative assessment of cover, structure, disturbance and sedimentation throughout reach						



Additional information :

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Monitoring**

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www.state.nj.us/dep/wms/bfbm

USEPA NARS Info and Reports:

<http://water.epa.gov/type/>

